



## MAGOS AI APPLIANCE MSA1057A

The Magos AI Appliance adds deep-learning video analytics to any IP camera. When connected to Magos Area Surveillance System (MASS) software, customers can improve radar detection performance and get automated target classification capability - greatly reducing nuisance alarms from wildlife and moving vegetation, and improving target detection and tracking performance.

### KEY FEATURES

- Appliance features leading CPU and GPU hardware that simultaneously support Magos Area Surveillance Software with AI capabilities.
- Supports up to 10 PTZ cameras concurrently and can be stacked with more appliances to fit any number of cameras and radars
- Preloaded and configured with Magos' MASS and AI analytics technology
- High capacity video analytics processing
- Supports any ONVIF compliant cameras
- Pre-configured for quick and easy setup with MASS software
- Dual hot-swappable power supplies for high availability in the event of component failure
- An easy to access and maintain 1U rack mount chassis – includes a sliding rail kit



### SPECIFICATIONS

#### SYSTEM

**Control Software:** Magos Area Surveillance System – compatible with version 3.1 or above

**Operating System:** Hardened Linux, supports secure remote upgrades

**Network Video Streaming Performance:**

- 1 GbE
- Up to 600 Mbps over a single connection
- 5 x 2MP (10fps)

**Recording Storage Capacity:** None

**Drive Configuration:** Mirrored OS – 2 x 256GB  
Removeable SSD drives, RAID 1  
1 x 1TB Removeable 7200 RPM drive for logs.

**Memory:** 2 x 8GB DIMMs

**Network Interface:** 1 x 1GbE RJ-45 ports (1000Base-T)

**Graphics Processing Unit:** NVIDIA Quadro®

**Video Outputs:** Rear USB-C to HDMI or VGA via included dongles.

4 x HDMI – for administration only

**Local Viewing:** Yes or web-based administration

#### ELECTRICAL

**Power Input:** 100 to 240 V AC, 50/60 Hz, auto-switching

**Power Supply:** 550 W redundant, hot-swappable (1+1)

**Power Consumption:** Average: 350W (1200 BTU/h), Maximum: 550W (1880 BTU/h)

#### ENVIRONMENTAL

**Operating Temperature:** 10°C to 35°C (50°F to 95°F)

**Storage Temperature:** -40°C to 65°C (-40°F to 149°F)

**Humidity:** 10% to 85% relative humidity with 40°C max. dew point

**Operating Vibration:** 0.26 Grms at 5 Hz to 350 Hz

**Storage Vibration:** 2.0 Grms at 10 Hz to 500 Hz for 15 min

**Operating Shock:** 10G

**Storage Shock:** 70G

#### SUPPLIED ACCESSORIES

**Rack Rail System Sliding rail system. Supports:**

- Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks
- Tool-less mounting in threaded hole 4-post racks

**Bezel**

- 1, front

**Power Cords**

- 2

#### ANALYTICS PERFORMANCE

**Decoding Channels:** 10

**Immediate Analytics Channels:** Up to 4

#### DEVICE TYPES SUPPORTED

ONVIF compliant PTZ cameras with absolute move capability

#### MECHANICAL

Dell R3930 unit with modified Video Card and vent opening on top cover

**Form Factor:** 1U rack mount chassis

**Dimensions (LxWxH):** 589 mm x 482 mm x 43 mm | 23.2" x 18.9" x 1.68"

**Weight:** 8.8 kg (19 lbs)